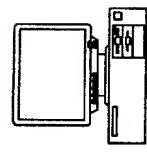


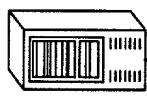
FIG. 1

128

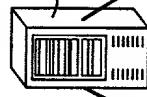
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PARTNER



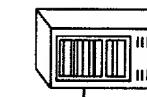
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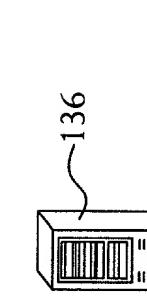
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APPLICATION
SERVER 1



APPLICATION
SERVER 2

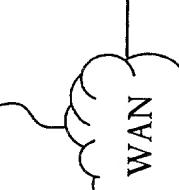


129

NSP
APPLICATION



130



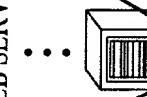
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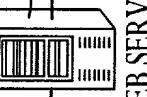
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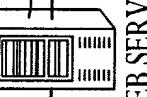
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BALANCING



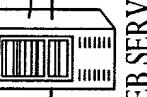
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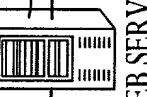
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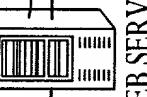
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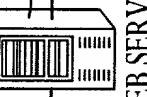
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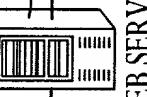
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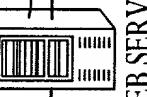
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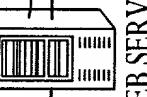
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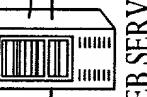
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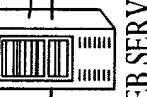
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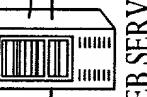
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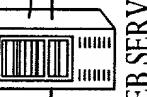
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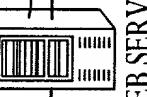
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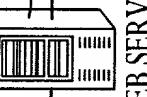
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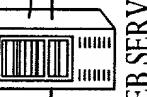
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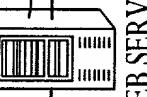
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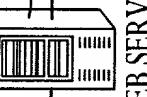
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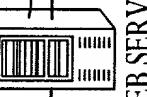
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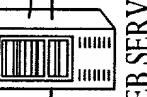
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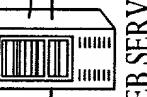
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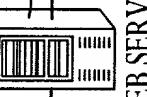
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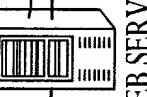
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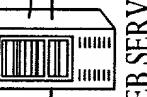
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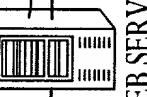
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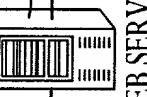
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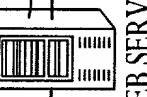
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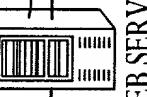
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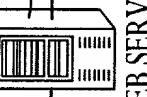
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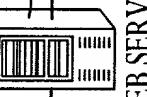
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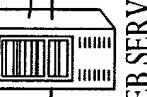
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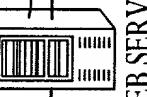
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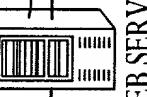
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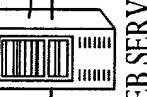
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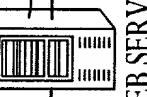
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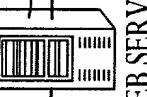
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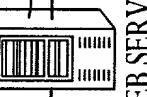
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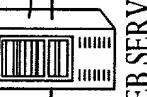
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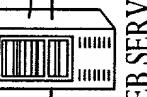
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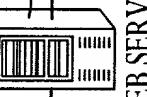
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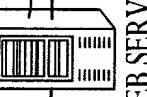
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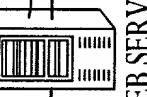
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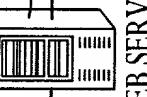
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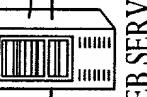
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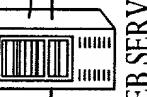
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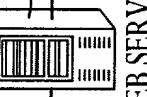
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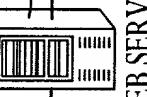
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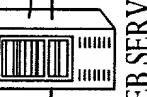
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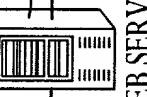
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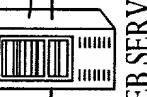
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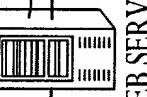
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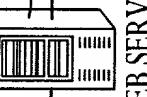
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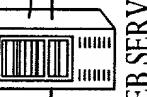
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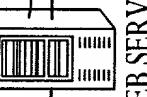
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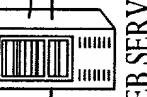
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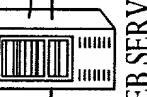
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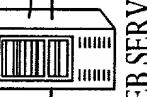
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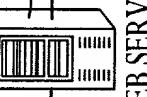
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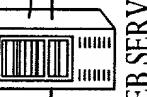
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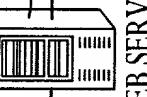
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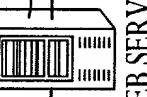
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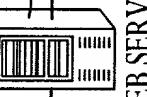
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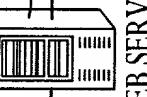
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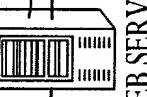
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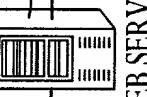
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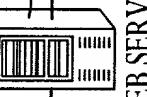
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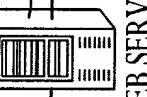
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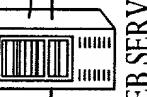
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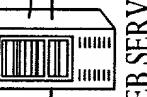
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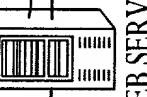
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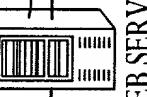
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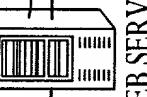
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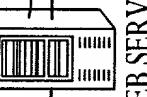
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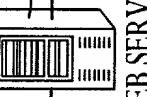
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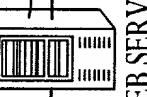
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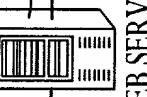
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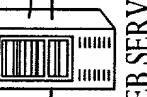
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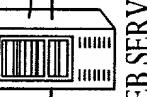
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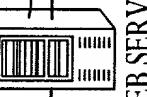
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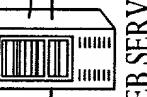
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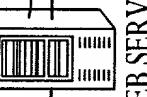
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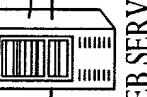
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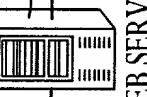
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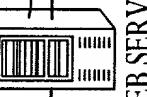
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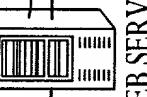
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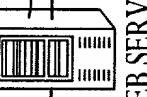
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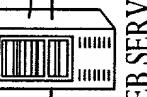
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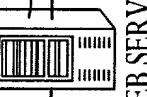
WEB SERVER



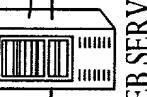
WEB SERVER



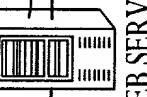
WEB SERVER



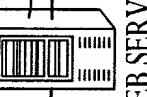
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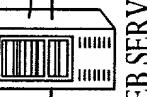
WEB SERVER



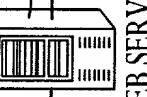
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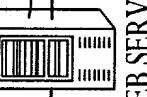
WEB SERVER



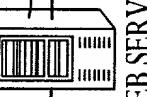
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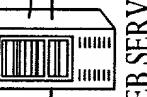
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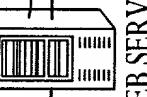
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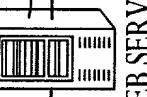
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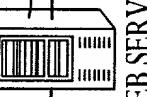
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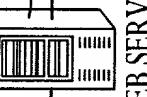
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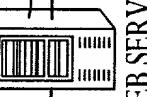
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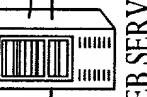
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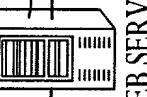
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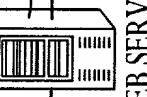
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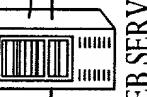
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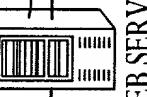
WEB SERVER



WEB SERVER



WEB SERVER



WEB SERVER

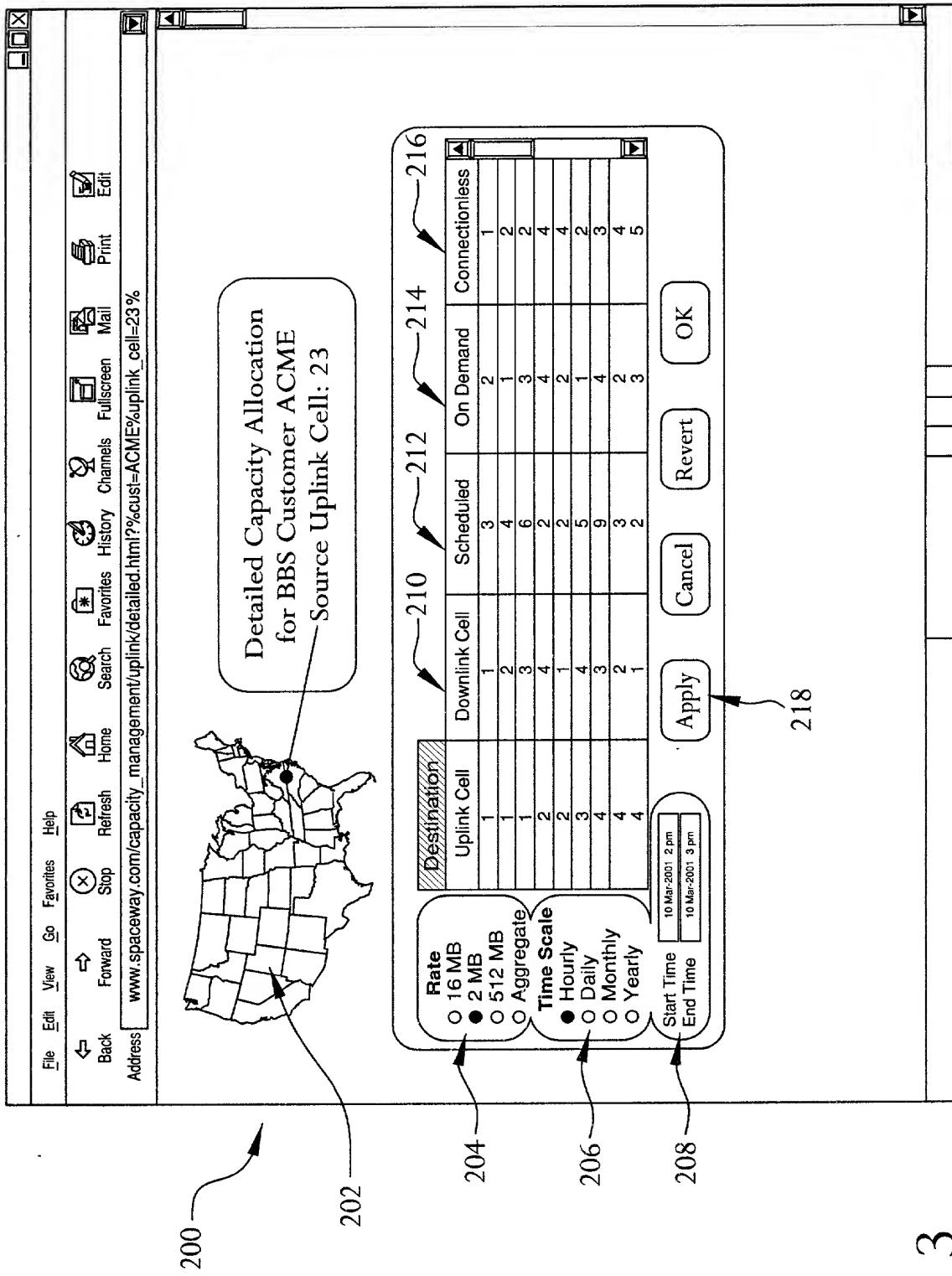


FIG. 3

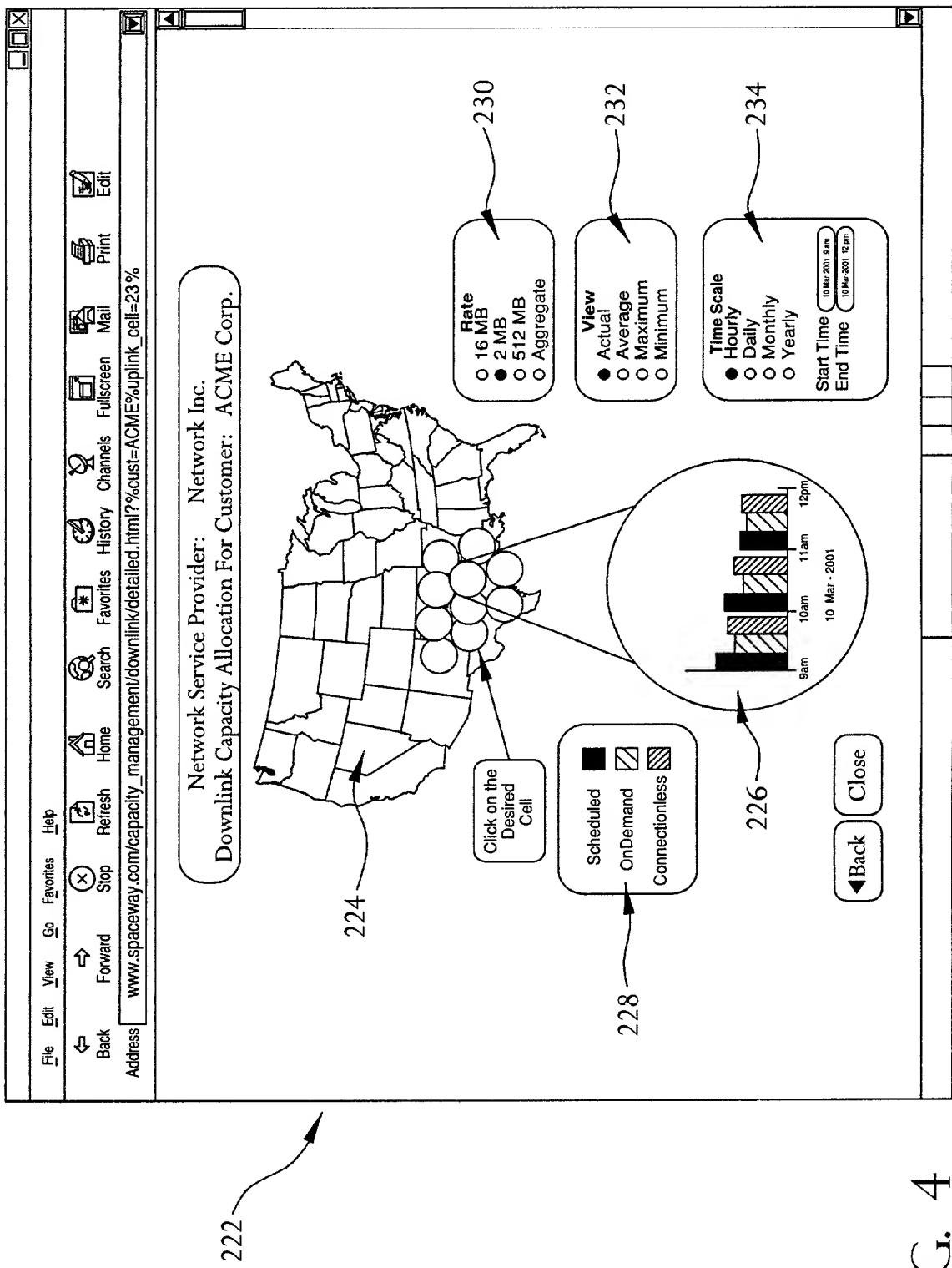


FIG. 4

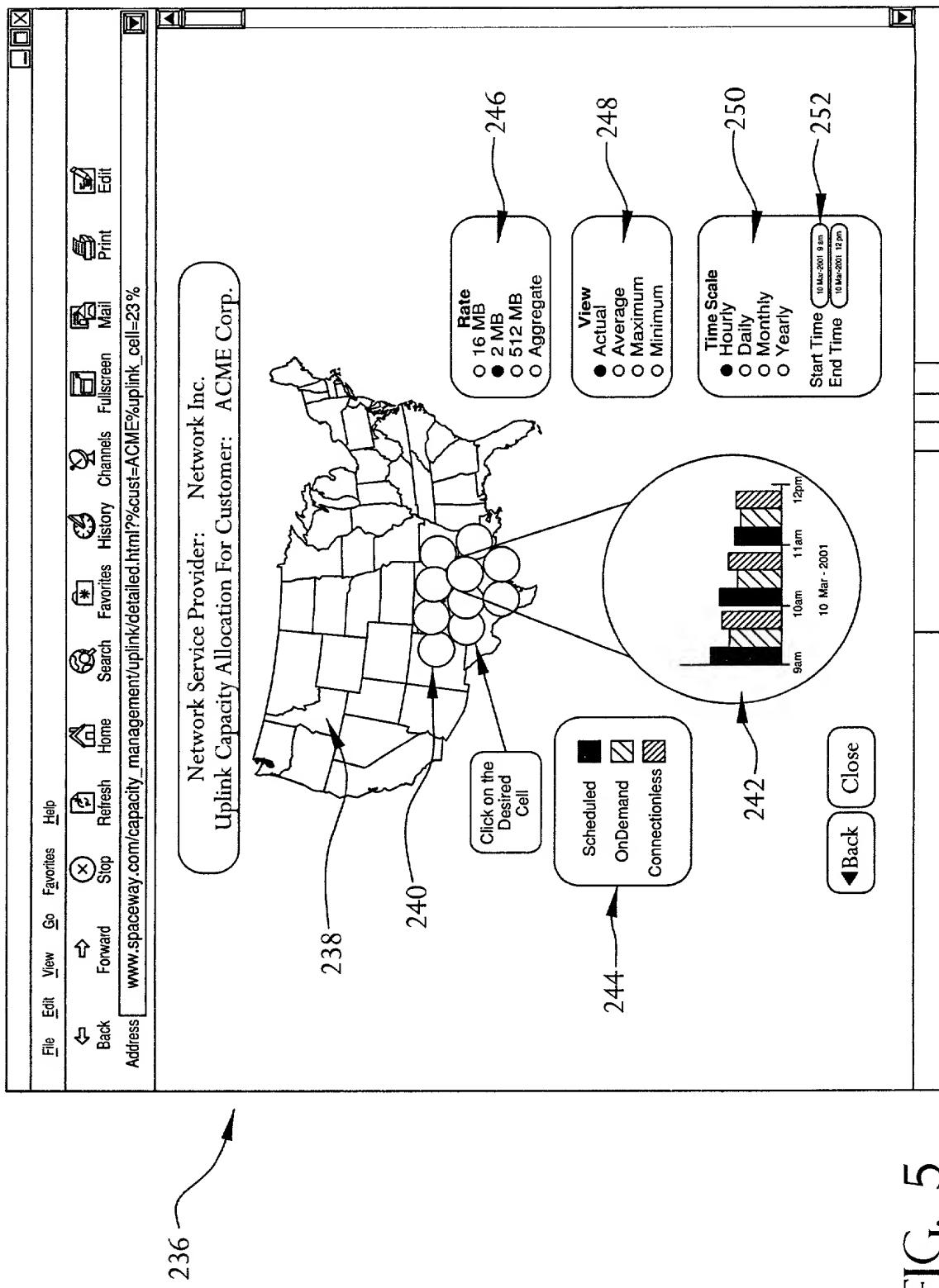


FIG. 5

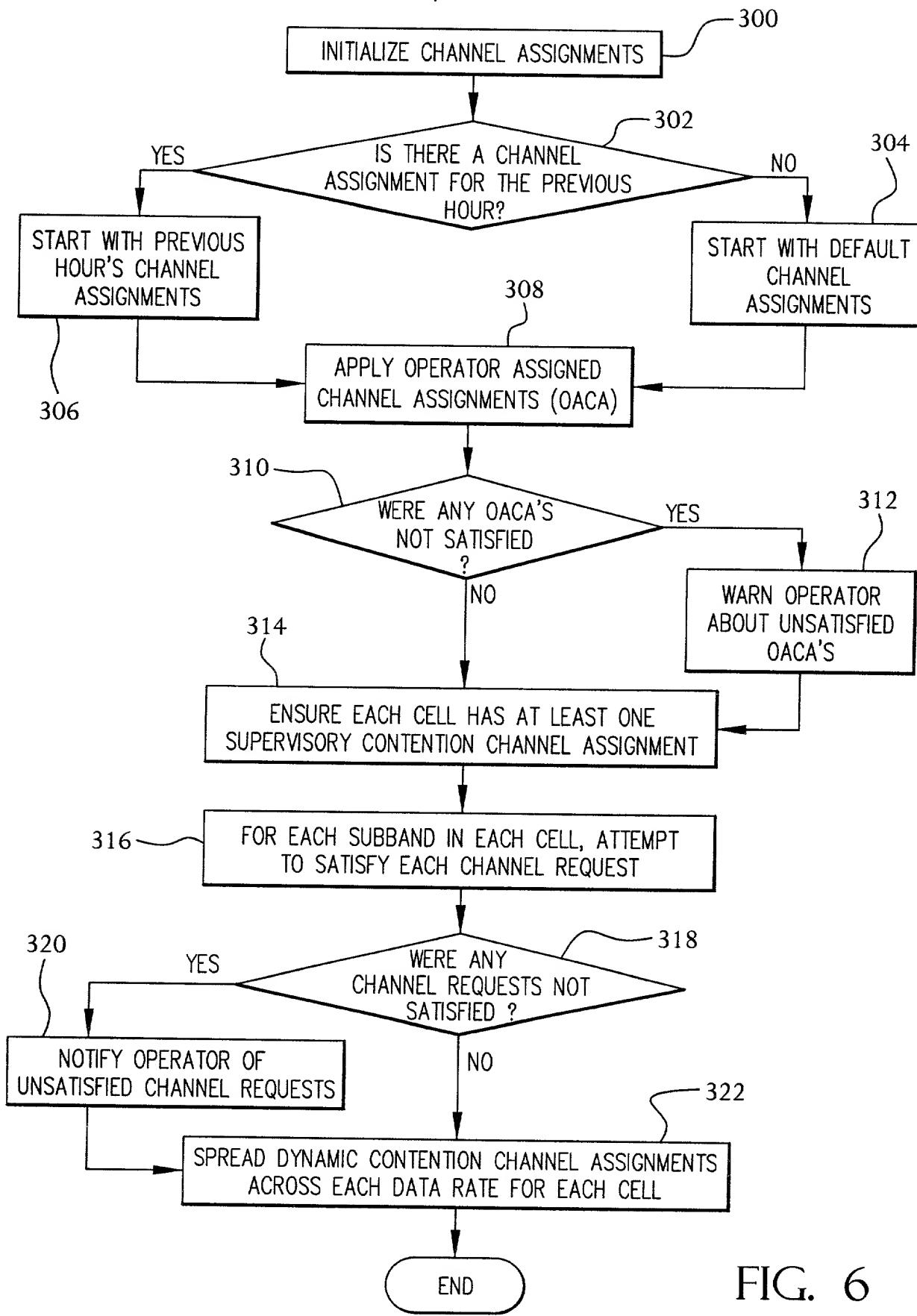


FIG. 6

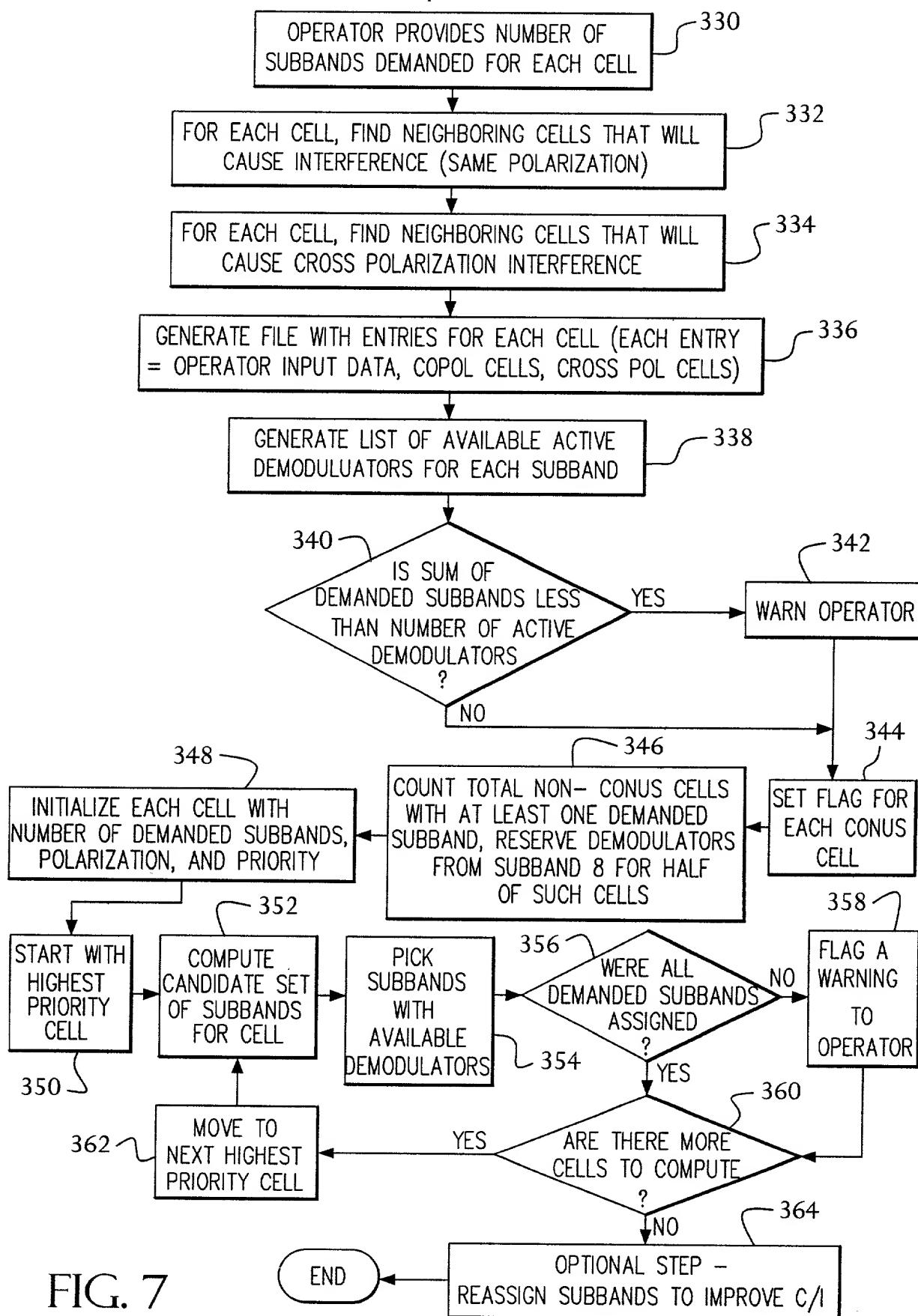


FIG. 7

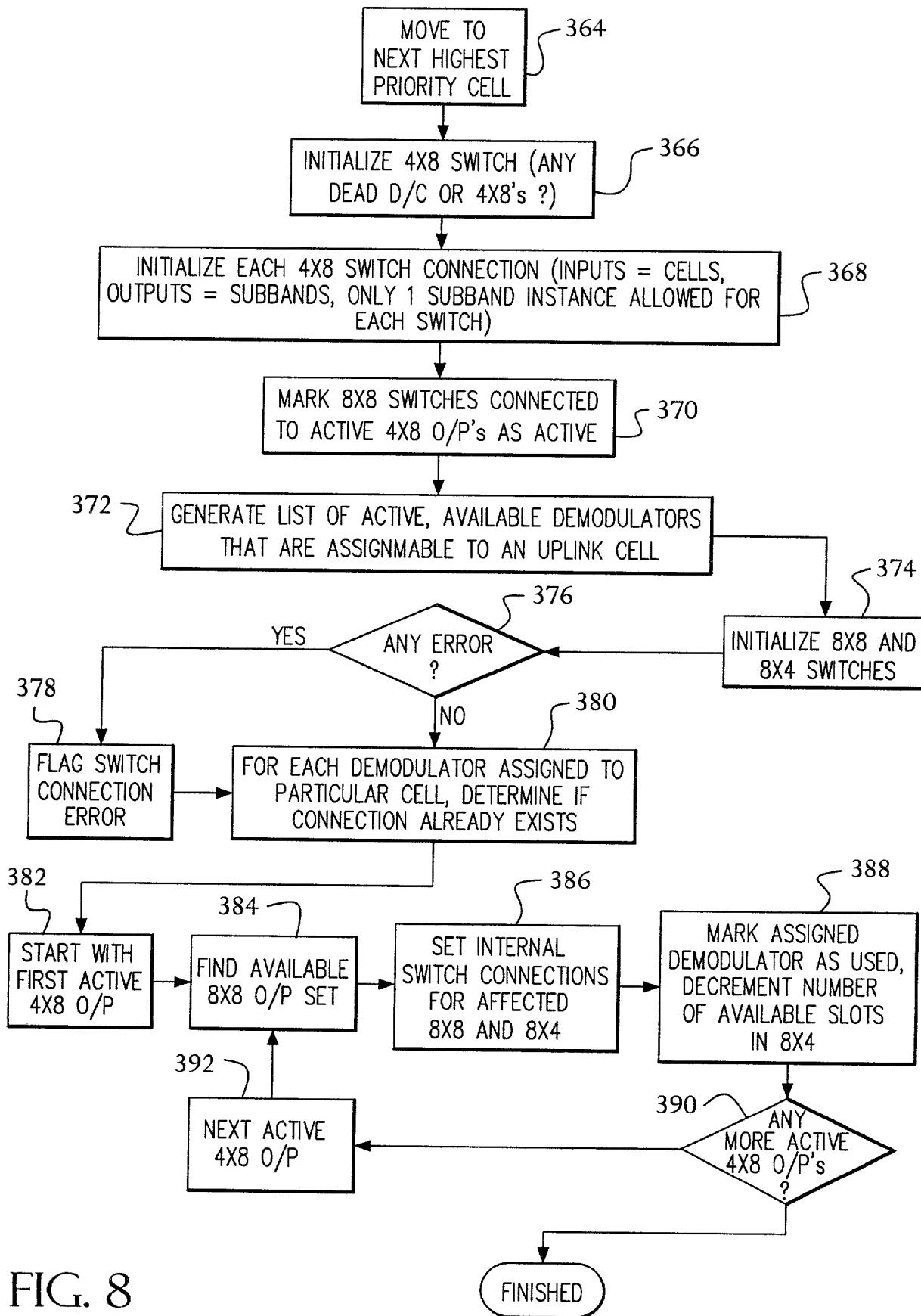


FIG. 8

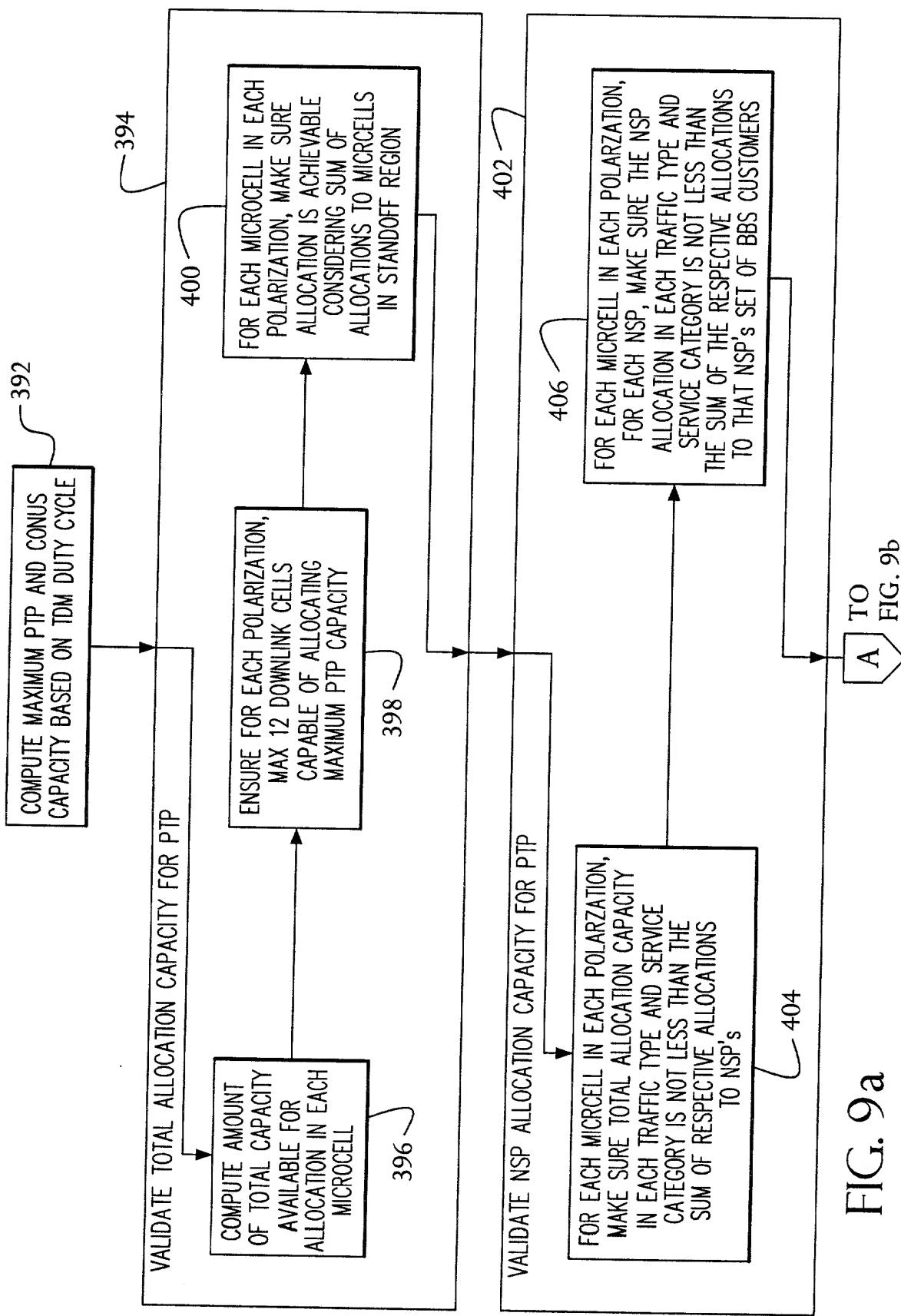


FIG. 9a

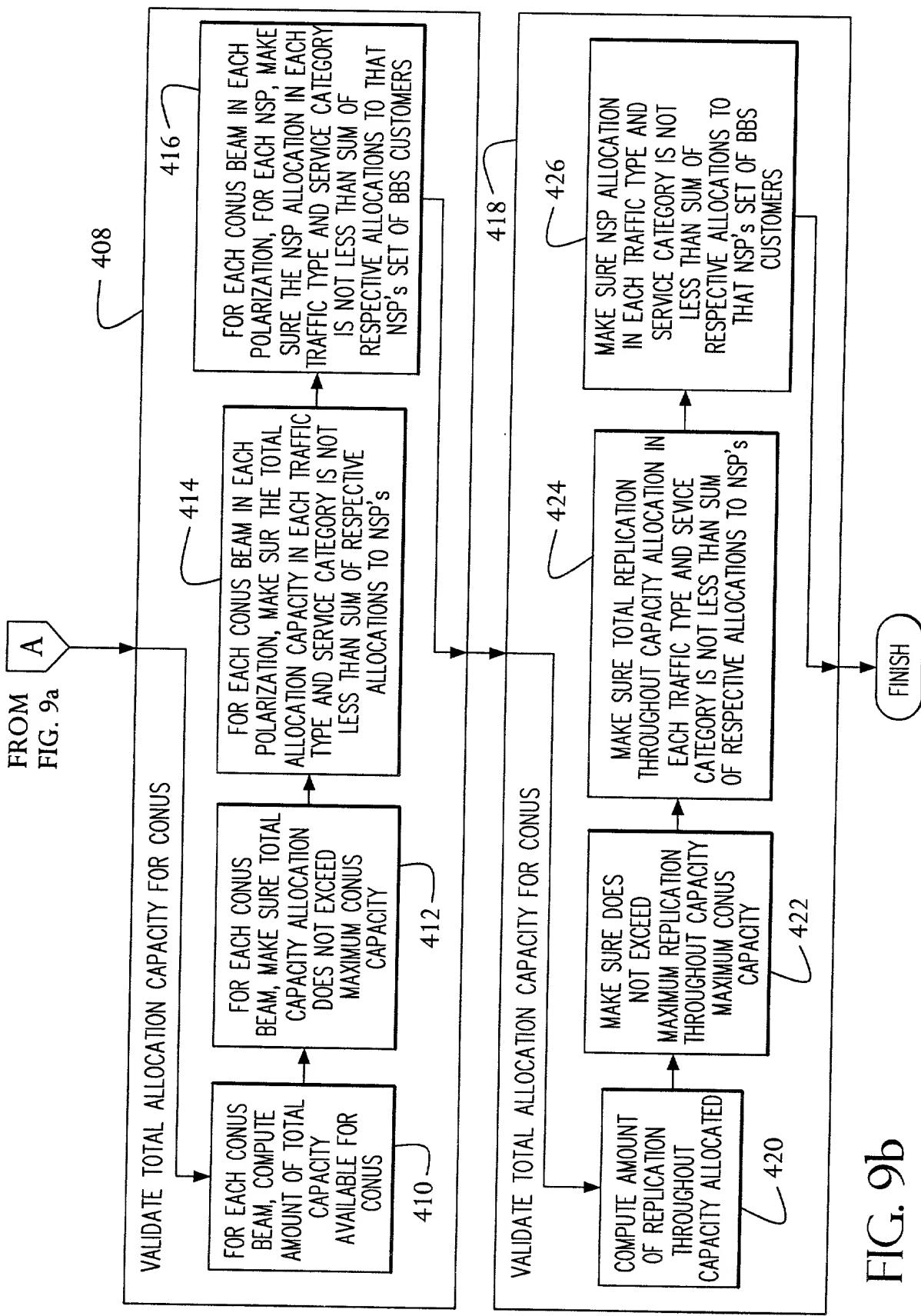


FIG. 9b

FIG. 10a

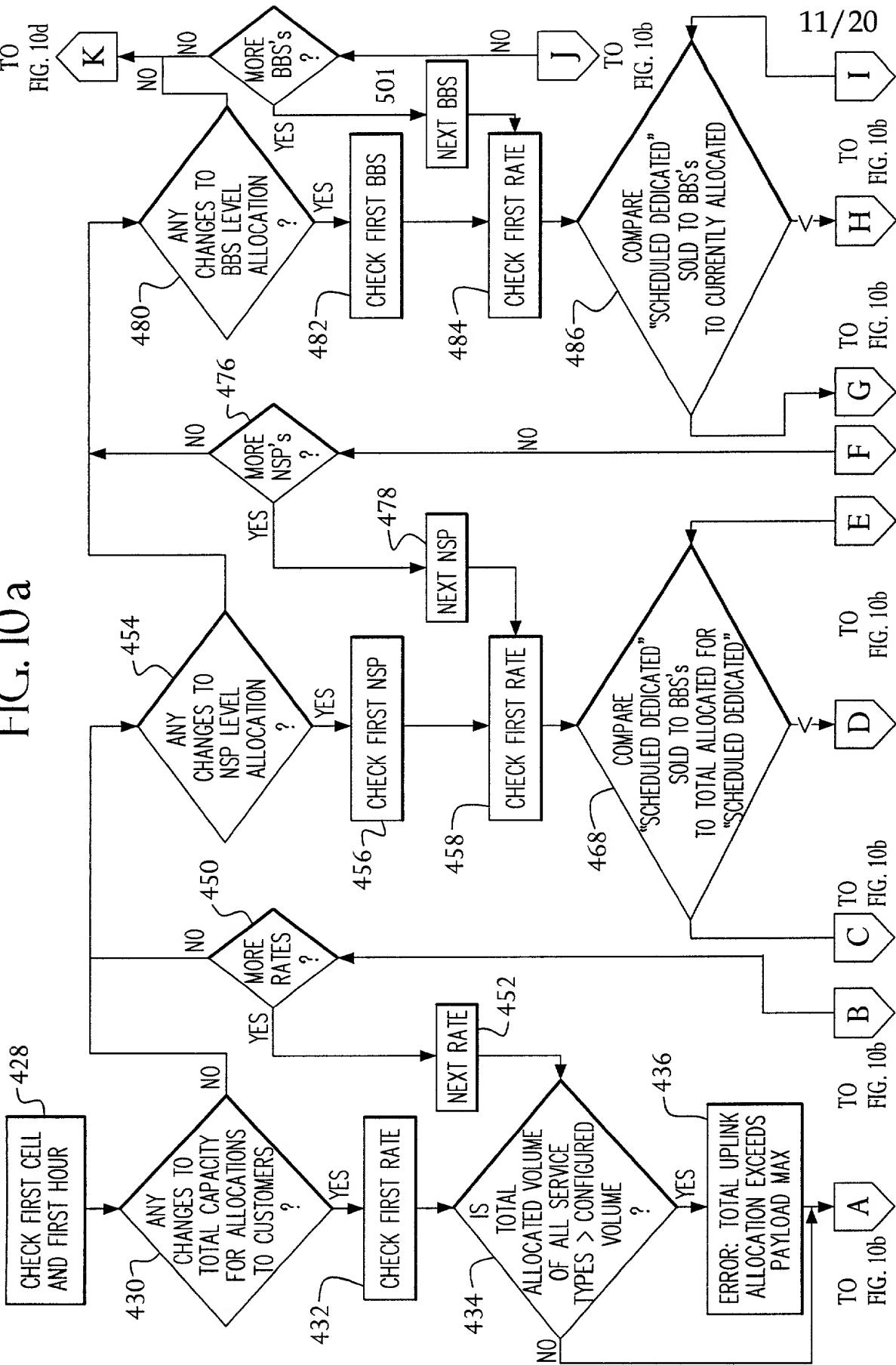
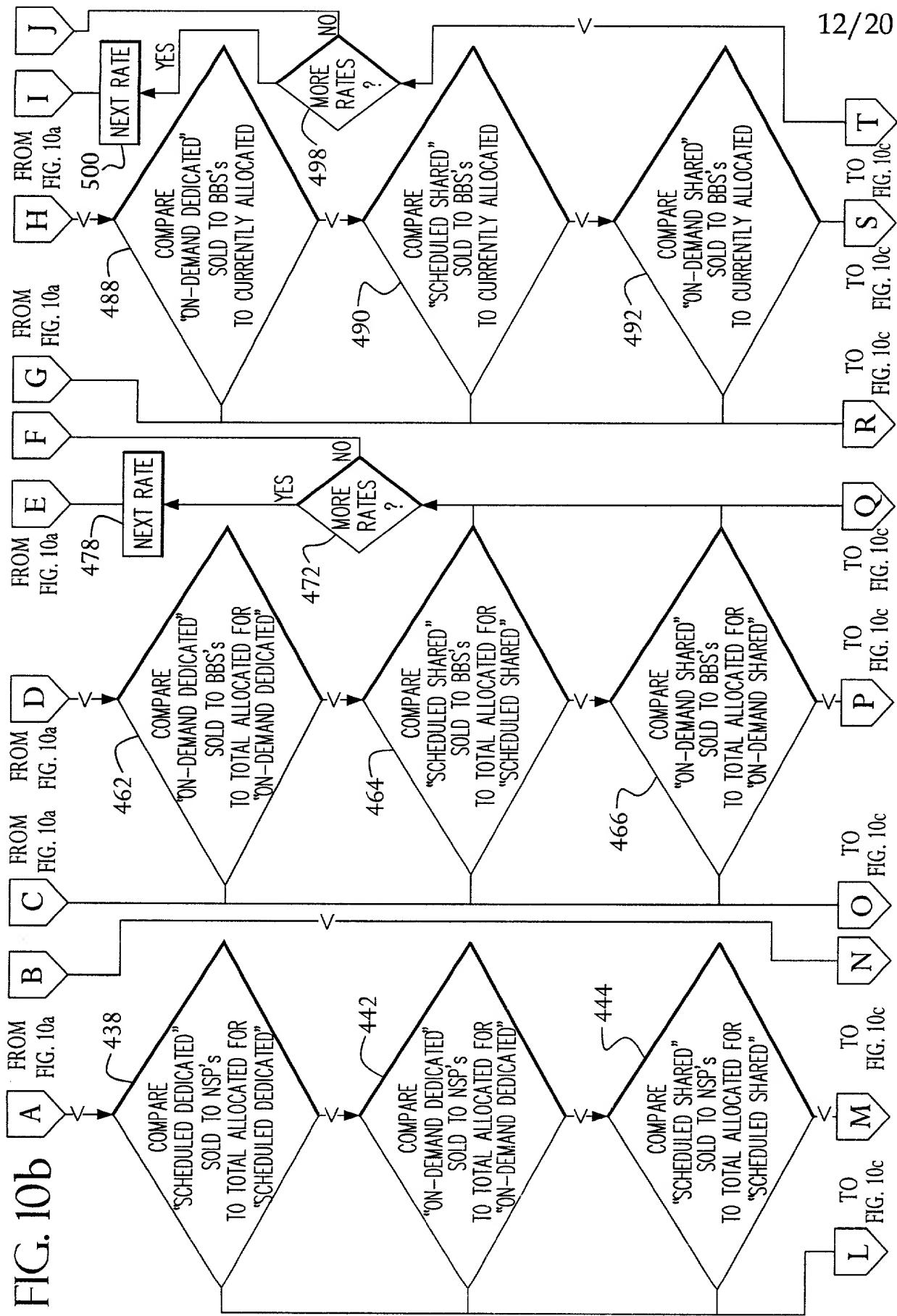


FIG. 10b



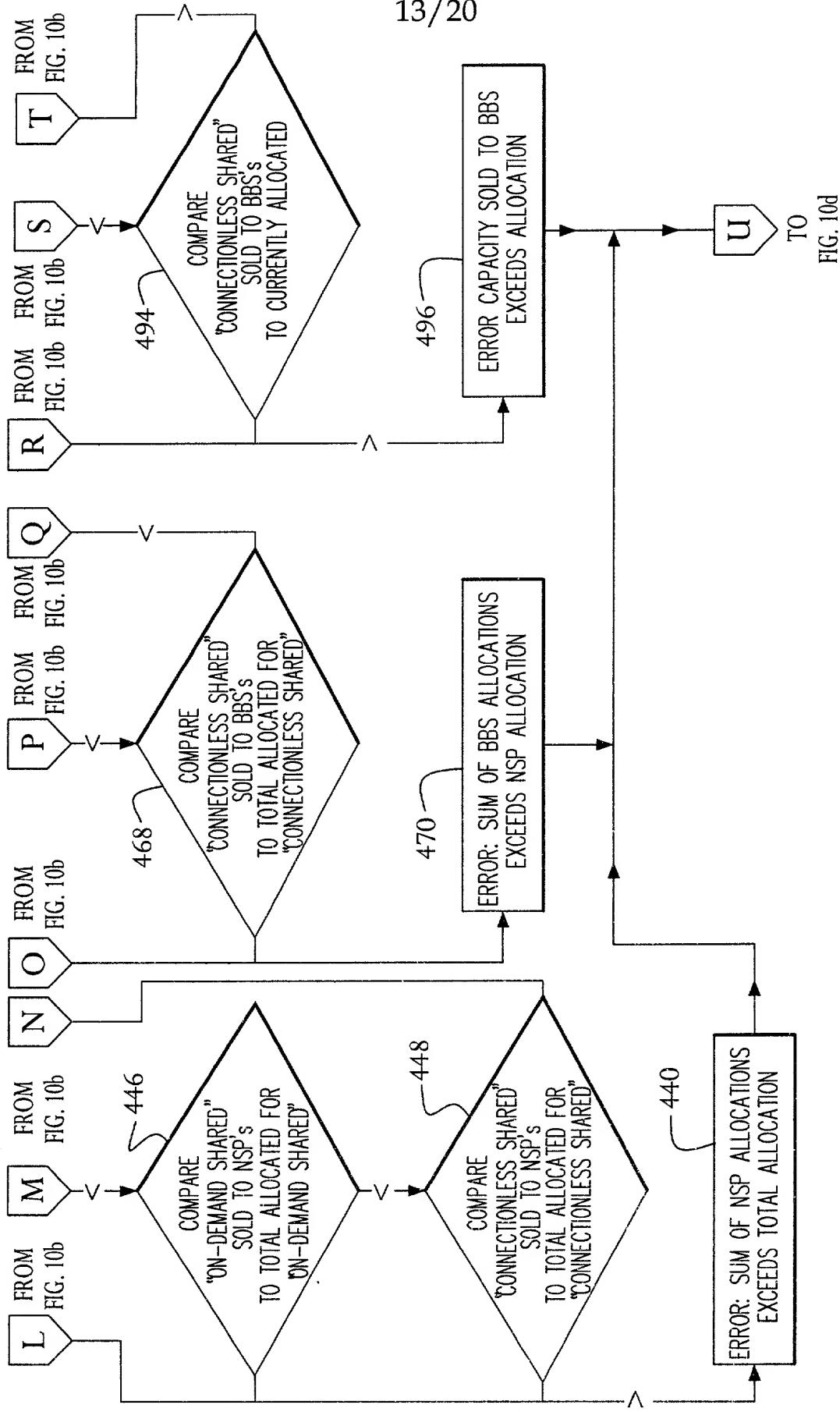
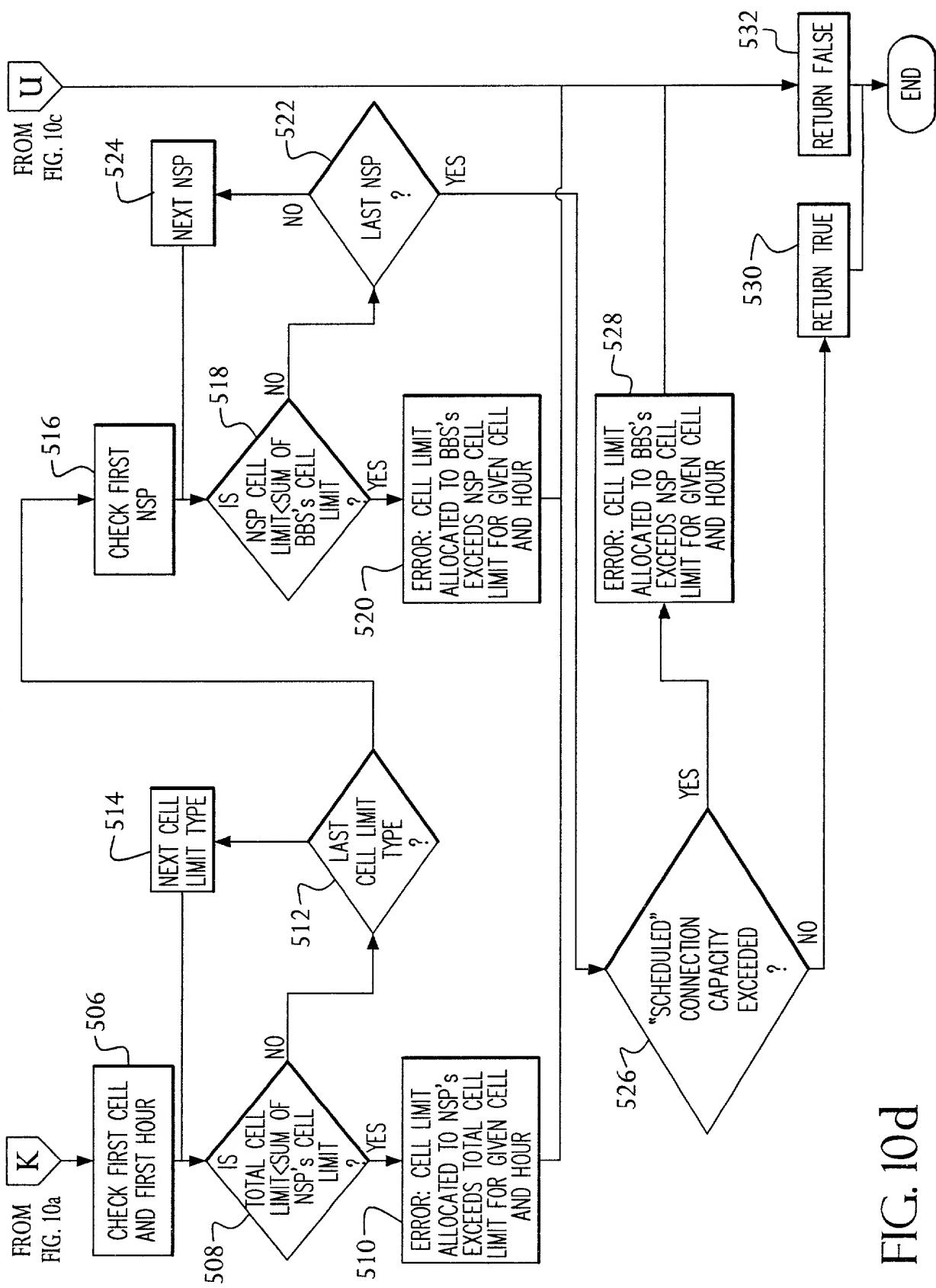
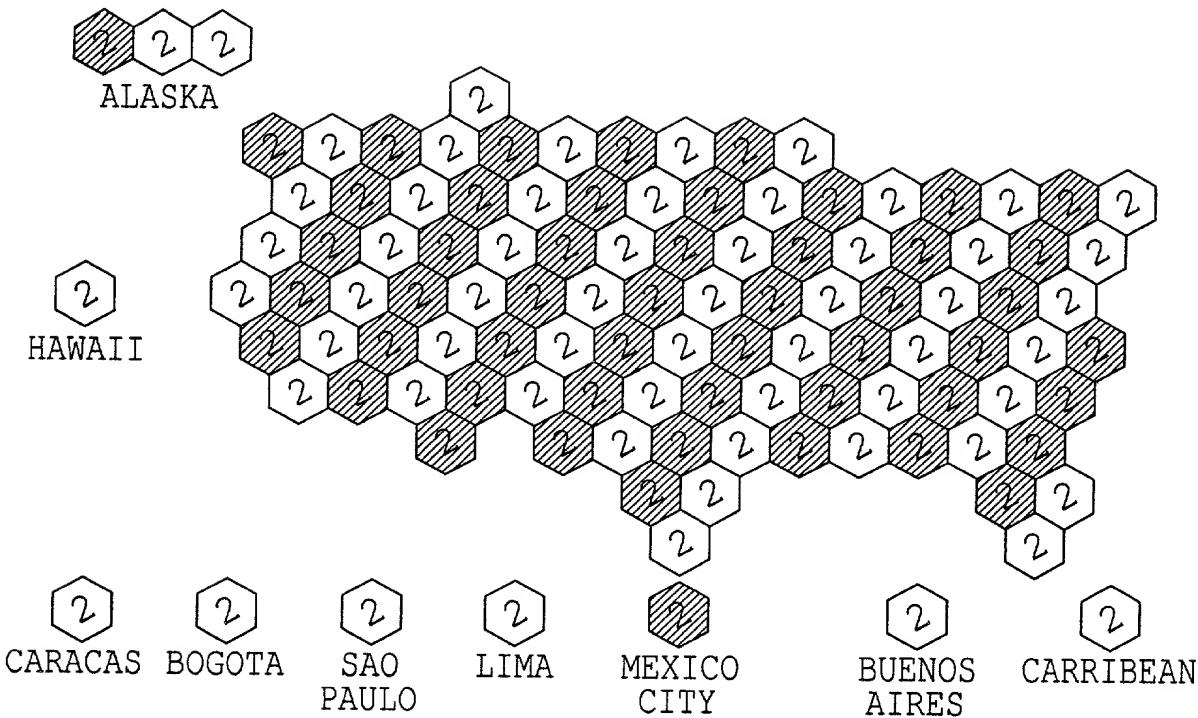


FIG. 10c

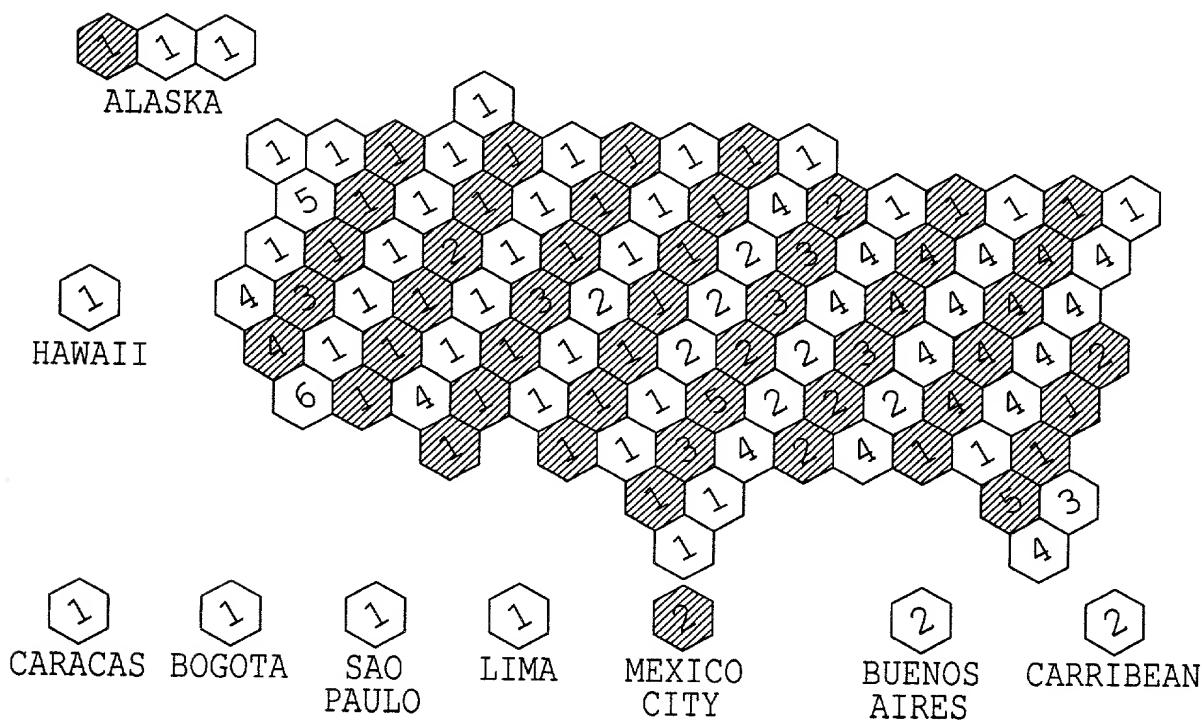


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UNIFORM DISTRIBUTION

FIG. 11A



POPULATION DISTRIBUTION

FIG. 11B

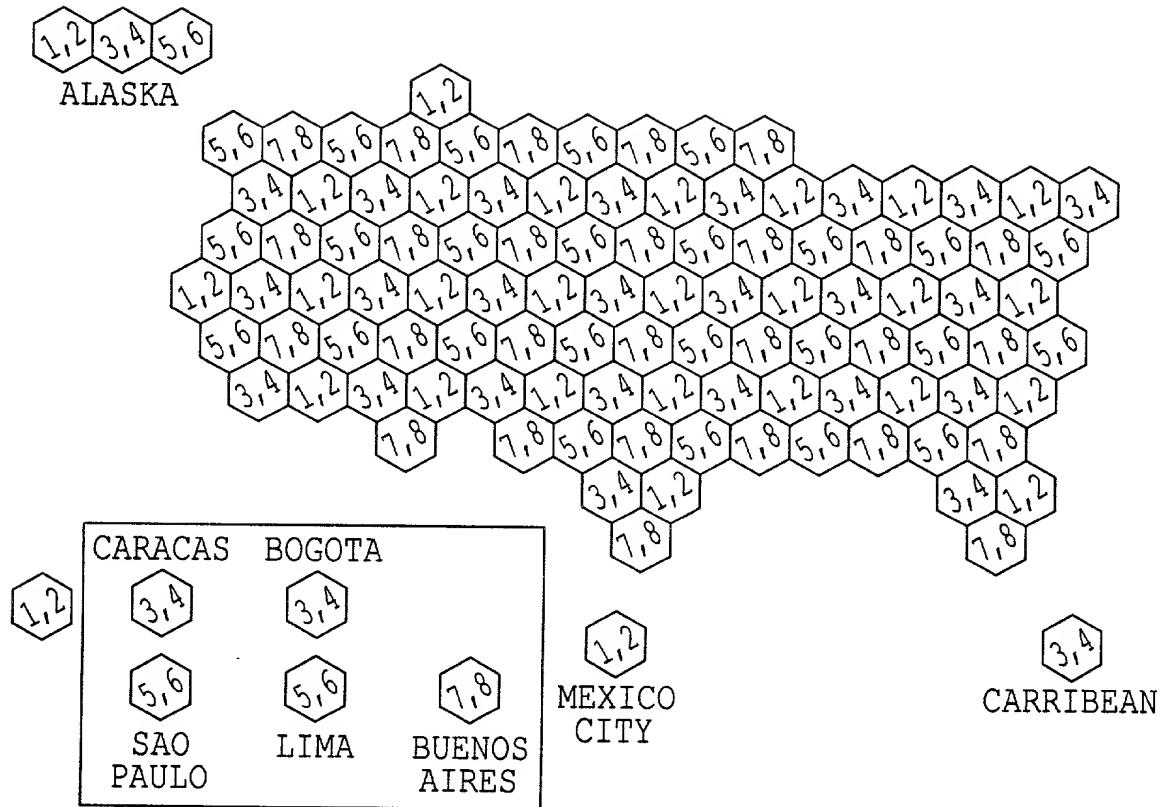


FIG. 12A

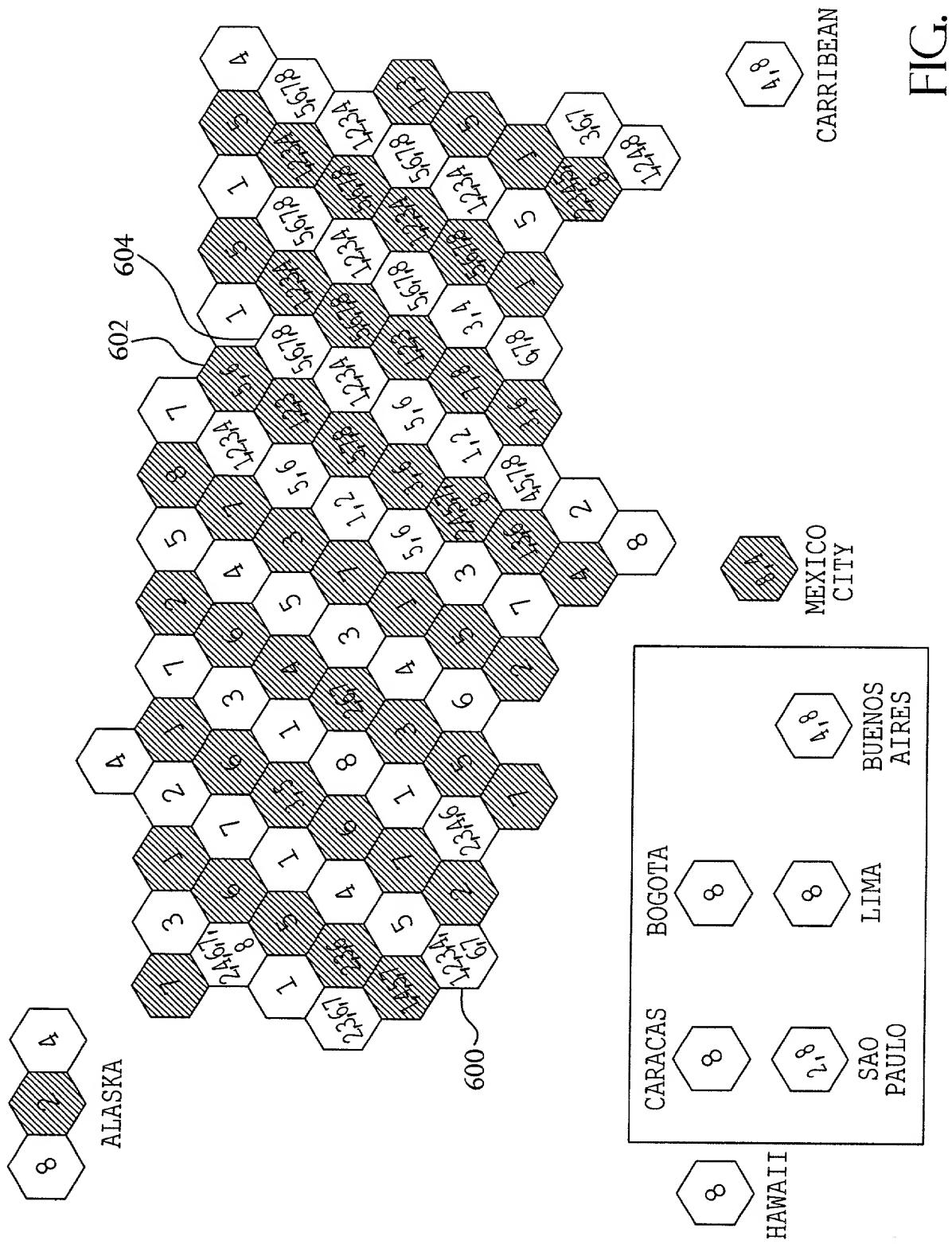
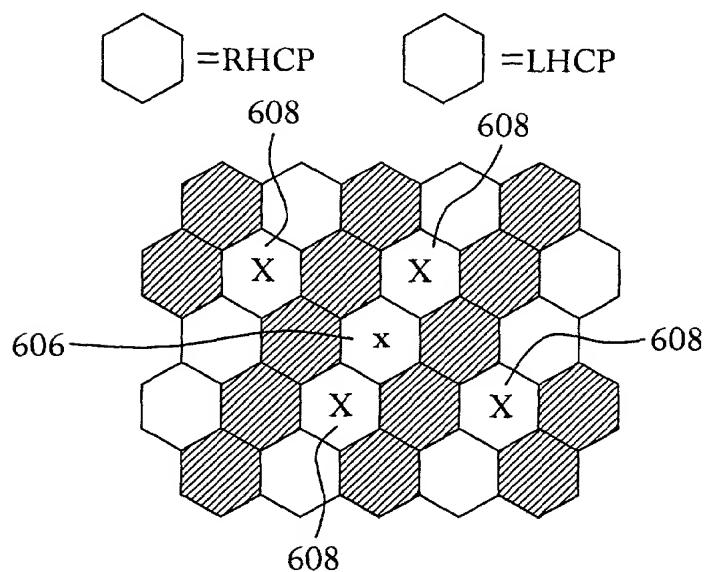


FIG. 12B

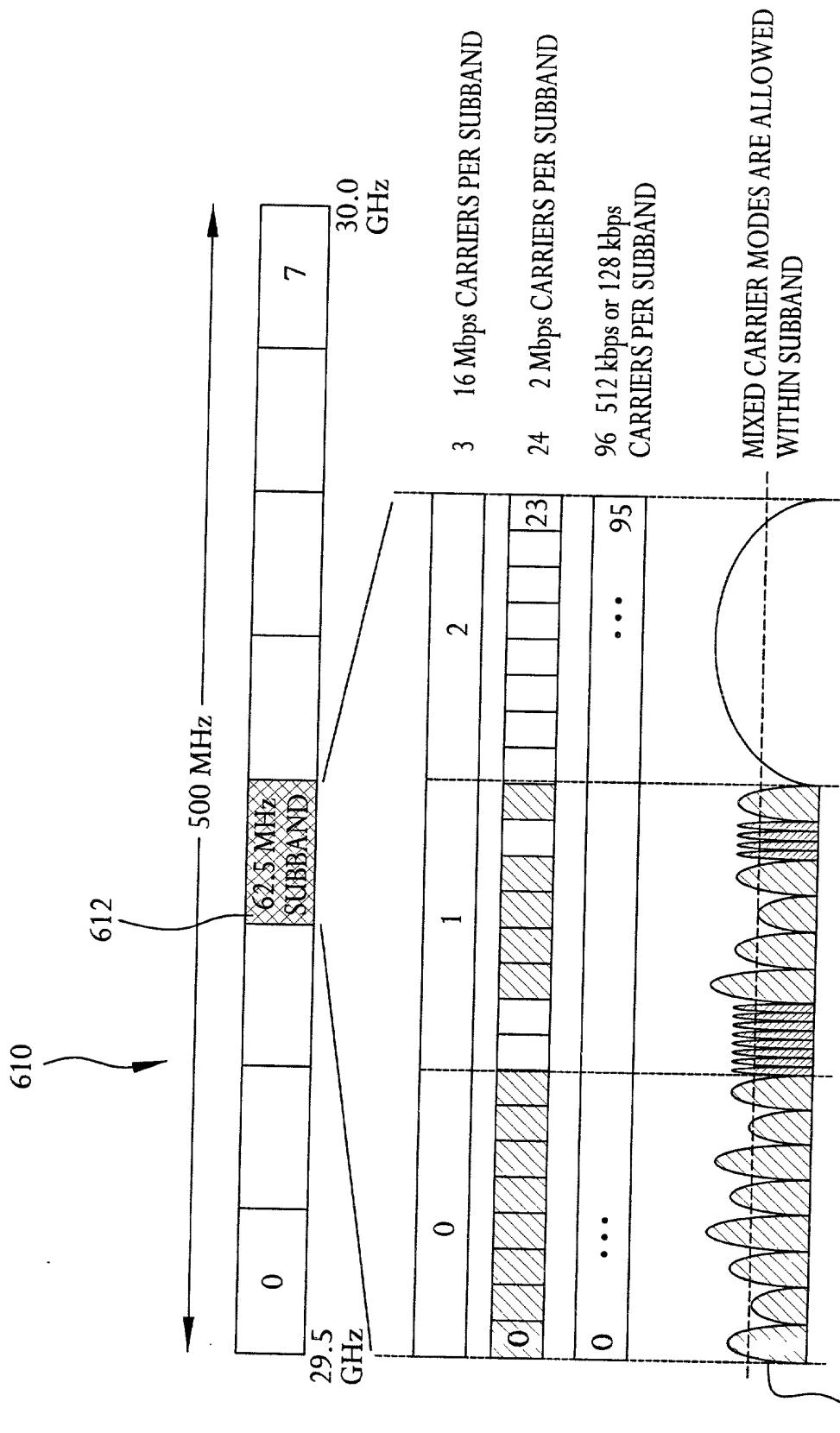
CELLS ALONG DIAGONALS SHARE SAME POLARIZATION



x=CELL OF INTEREST

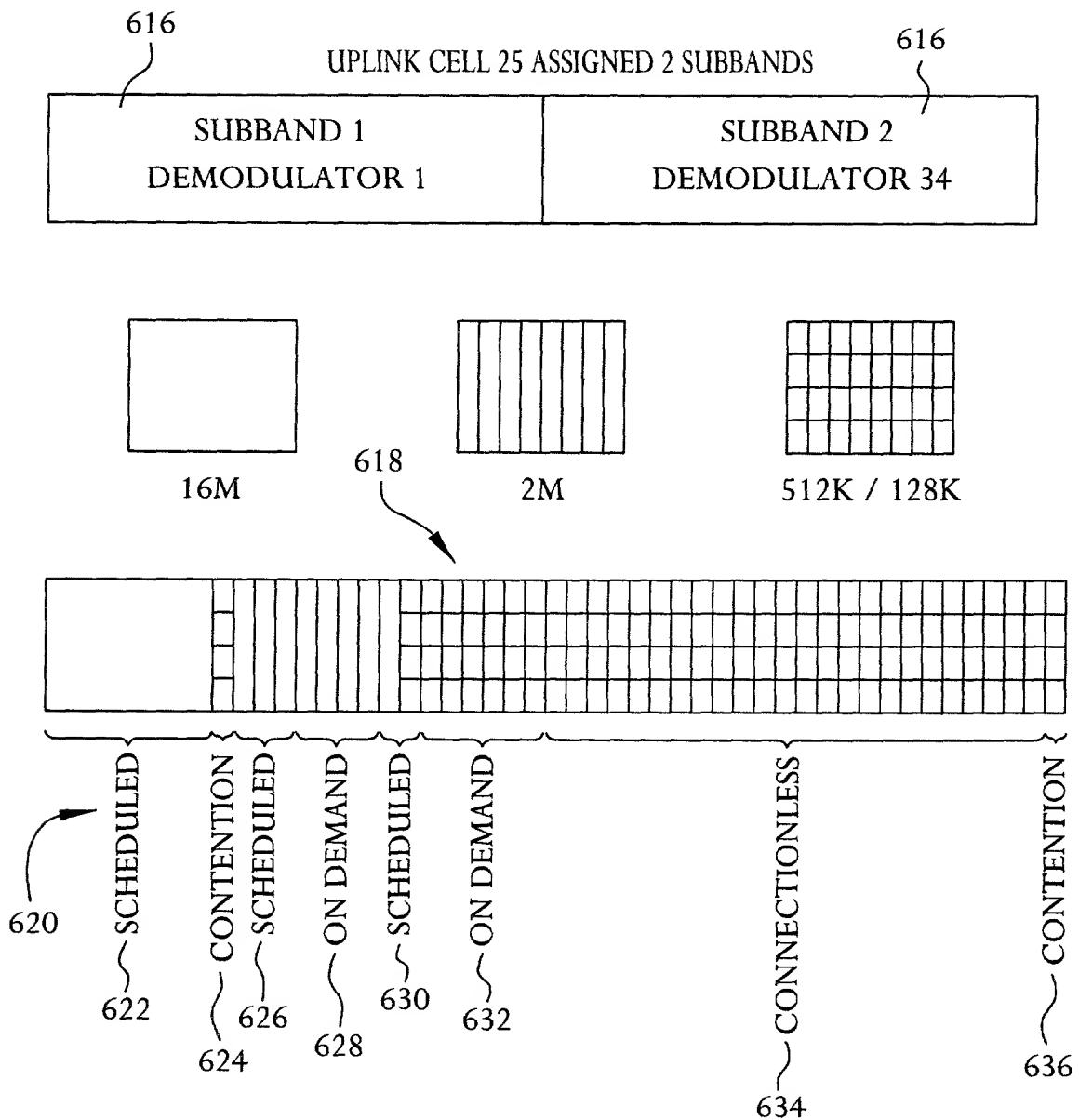
X=INTERFERING CELLS (CELLS THAT CANNOT REUSE SAME SUBBANDS AS CELL x)

FIG. 13



DEMODULATOR CARRIER LAYOUT

FIG. 14



EXAMPLE OF PLANNING SYSTEM CAPACITY RESOURCE ALLOCATIONS
BY SERVICE CLASS